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end-of-chapter problems included in the book Microelectronic Circuits, International Seventh Edition by Adel S. Sedra and Kenneth C. Smith. Most of the solutions are new; however, I have used and/or adapted some of the solutions from the ISM of the International Sixth Edition. Credit for these goes to the problem solvers listed therein.

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between a 2-k source and a 2-k load with a gain of 40 V/V. The power supply available is 15 V. Use an emitter current of approximately 2 mA and a current of about one-tenth of that in the voltage divider that feeds the base, with the dc voltage at the base about one-third of the supply.

~~Using the topology of Fig. P6.142, design an amplifier to ...~~

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This manual contains complete solutions for all exercises and end-of-chapter problems included in the book Microelectronic Circuits, International Sixth Edition, by Adel S. Sedra and Kenneth C. Smith.

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This market-leading textbook continues its standard of excellence and innovation built on the solid pedagogical foundation of previous editions. This new edition has been thoroughly updated to reflect changes in technology, and includes new BJT/MOSFET coverage that combines and emphasizes the unity of the basic principles while allowing for separate treatment of the two device types where needed. Amply illustrated by a wealth of examples and complemented by an expanded number of well-

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Microelectronic Circuit Design is known for being a technically excellent text. The new edition has been revised to make the material more motivating and accessible to students while retaining a student-friendly approach. Jaeger has added more pedagogy and an emphasis on design through the use of design examples and design notes. Some pedagogical elements include chapter opening vignettes, chapter objectives, "Electronics in Action" boxes, a problem solving methodology, and "design note" boxes. The number of examples, including new design examples, has been increased, giving students more opportunity to see problems worked out. Additionally, some of the less fundamental mathematical material has been moved to the ARIS website. In addition this edition comes with a Homework Management System called ARIS, which includes 450 static problems.

This junior level electronics text provides a foundation for analyzing and designing analog and digital electronics throughout the book. Extensive pedagogical features including numerous design examples, problem solving technique sections, Test Your Understanding questions, and chapter checkpoints lend to this classic text. The author, Don Neamen, has many years experience as an Engineering Educator. His experience shines through each chapter of the book, rich with realistic examples and practical rules of thumb. The Third Edition continues to offer the same hallmark features that made the previous editions

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